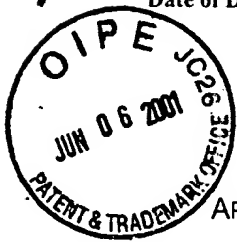


06-07-01
Express Mail Label No.: EF371227 US
Date of Deposit: June 6, 2001

1633
Attorney Docket No. 21486-028 (RIH-28)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Hugh S. Keeping, et al.
ASSIGNEE : RHODE ISLAND HOSPITAL, A LIFESPAN PARTNER
SERIAL NUMBER : 09/507,239 EXAMINER : Not yet assigned
FILING DATE : February 18, 2000 ART UNIT : Not yet assigned
FOR : Treatment of Bone Disorders

TECH CENTER 1600/2900

JUN 12 2001

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JUN 12 2001
JUN 6, 2001
Boston, Massachusetts

BOX SEQUENCE

Assistant Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF PAPER COPY AND/OR COMPUTER-READABLE
COPY OF SEQUENCE LISTING FOR INVENTION CONTAINING
NUCLEOTIDE AND/OR AMINO ACID SEQUENCE

1. ☒ This paper is in response to the Patent Office letter dated April 30, 2001.
☒ A copy of the Patent Office letter is enclosed.

Note: If these papers are filed before the Patent Office letter is mailed, the adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of the invention, the filing date on the Express Mail Label, the USSN from the return postcard or the attorney's docket number must be added.

- ☒ This paper is in compliance with the requirements for patent applications containing nucleotide sequences and/or amino acid sequence disclosures.

2. Submitted herewith are:

- ☒ A Preliminary Amendment directing entry of the Sequence Listing into the specification;
☒ Petition for One-Month Extension of Time;
☒ a paper copy of the Sequence Listing for the above-identified patent application with each sequence assigned a separate identifier; and
☒ a copy of the Sequence Listing in computer-readable form for the above-identified patent application.

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):



- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☒ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

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To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

3. **Statement:**

I hereby state that: *(complete applicable items - A, B and/or C)*

- A. ☒ The content of the paper and computer-readable copies of the Sequence Listing submitted herewith are the same.
- B. ☒ The content of the computer-readable copy of the Sequence Listing submitted herewith is the same as the Sequence Listing appearing at the end of the originally-filed specification.
- C. ☒ This submission includes no new matter.

Enclosed please find a check (#9088) in the amount of \$55.00. Applicants believe that no further fee is required for the filing of the present submission. However, the Commissioner is hereby authorized to charge any additional fees that may be due, or credit any overpayment, to Deposit Account No. 50-0311, Ref. No. 21486-028.

Respectfully submitted,



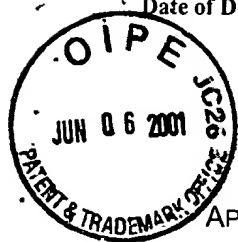
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Dated: June 6, 2001

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Assistant Commissioner for Patents
Washington, D.C. 20231

**STATEMENT IN SUPPORT OF COMPUTER READABLE
FORM SUBMISSION UNDER 37 C.F.R. § 1.821(f)**

I hereby state that the content of the paper and computer readable forms of the Sequence Listing, submitted in the above-identified application in accordance with 37 C.F.R. § 1.821(c) and 1.821(e), respectively, are the same.

Respectfully submitted,

A handwritten signature in cursive script, reading "Sean M. Coughlin".

Sean M. Coughlin
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